



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Peter GRAHLE, ET AL.-2 PCT
SERIAL NO.: 10/541,016
FILED: JUNE 28, 2005 GROUP: 3746
TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

**REQUEST TO CORRECT INVENTORSHIP
TO ADD INVENTORS UNDER 37 CFR 1.48**

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants hereby request that the above-identified application be amended to add ALBERT FRIESEN and STANISLAUS RUSS as additional joint inventors so that the inventors for this Patent Application are as follows:

Peter Grahle, a citizen of Switzerland, having an address at Steinenbergstrasse 9, CH-4532 Feldbrunnen, Switzerland;

Peter Haldemann, a citizen of Switzerland, having an address at Lerchenweg 14, CH-2540 Grenchen, Switzerland;

Walter Nünlist, a citizen of Switzerland, having an address at Maienstrasse 12, CH-4600 Olten, Switzerland;

Heinz Rhy, a citizen of Switzerland, having an address at Bierhübeli 26, Vorimholz, CH-3257 Grossaffoltern, Switzerland;

Albert Friesen, a citizen of Germany, having an address at
Liebfrauenstrasse 41, D-41066 Mönchengladbach, Germany; and

Stanislaus Russ, a citizen of Germany, having an address at
Teupestrasse 36, D-41065 Mönchengladbach, Germany.

Accompanying this request are the following documents:

1. Statement under 37 C.F.R. §148(a) from the inventors to be added Albert Friesen and Stanislaus Russ that the error of inventorship occurred without deceptive intention on their part;
2. Declaration by all inventors, Messrs. Grahle, Haldemann, Nünlist, Rhyn, Friesen and Russ under 37 C.F.R. §1.63;
3. Processing fee of \$130.00 as set forth in 37 C.F.R. §1.17(i); and
4. Written Consent of the Assignees, MAHLE Motorkomponenten Schweiz AG and PIERBURG GmbH, along with a copy of the Assignment from four of the six inventors, Messrs. Grahle, Haldemann, Nünlist and Rhyn, to MAHLE Motorkomponenten Schweiz AG recorded at Reel 016834, frame 0165, a copy of an Assignment from the remaining two inventors added herein, Messrs. Friesen

and Russ, to MAHLE Motorkomponenten Schweiz AG and
PIERBURG GmbH which is being submitted for recordal
herewith, and a copy of an Assignment from MAHLE
Motorkomponenten Schweiz AG to MAHLE Motorkomponenten
Schweiz AG and PIERBERG GmbH with respect to the
inventors Grahle, Haldemann, Nünlist and Rhyn's right,
title and interest of the above-identified Application,
which is also being submitted for recordal herewith.

In view of the foregoing, Applicants respectfully request
that the inventorship for the above-identified Application be
amended so that each of Peter Grahle, Peter Haldemann, Walter
Nünlist, Heinz Rhyn, Albert Friesen and Stanislaus Russ be named
inventors in this Application.

Respectfully submitted,
Peter GRAHLE ET AL -2 PCT



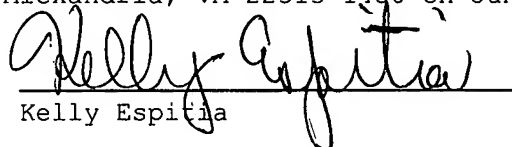
Frederick J. Dorchak, Reg. No. 29,298
Edward R. Freedman, Reb. No. 26,048
Elizabeth Collard Richter, Reg. No. 35,103
Attorneys for Applicants

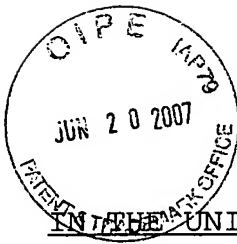
COLLARD & ROE, P.C.
1077 Northern Boulevard
Roslyn, New York 11576
(516) 365-9802

FJD:gg

Enclosures: Statement Under 37 C.F.R. §1.48(a) from Albert Friesen
Statement Under 37 C.F.R. §1.48(a) from Stanislaus Russ
Declaration
Assent of Assignees
Copy of Assignment to MAHLE Motorkomponenten Schweiz AG
Copy of Assignment from Messrs. Friesen and Russ
Copy of Assignment from MAHLE Motorkomponenten Schweiz AG
Check for \$130.00

I hereby certify that this correspondence is being deposited with the United States
Postal Service as first class mail in an envelope addressed to: Mail Stop: AMENDMENT,
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 18, 2007.


Kelly Espitia



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: GRAHLE, P. ET AL-2 PCT
SERIAL NO.: 10/541,016
FILED: JUNE 28, 2005 GROUP: 3746
TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

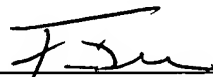
STATEMENT UNDER 37 C.F.R. §1.48(a)

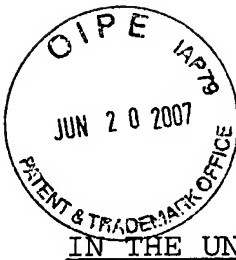
MAIL STOP AMENDMENT
Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I, ALBERT FRIESEN, hereby declare and state that I am a co-inventor and the failure to name me as a joint inventor occurred without deceptive intention.

Date: 22.02.07


ALBERT FRIESEN



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: GRAHLE, P. ET AL-2 PCT
SERIAL NO.: 10/541,016
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TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

STATEMENT UNDER 37 C.F.R. §1.48(a)

MAIL STOP AMENDMENT
Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I, STANISLAUS RUSS, hereby declare and state that I am a co-inventor and the failure to name me as a joint inventor occurred without deceptive intention.

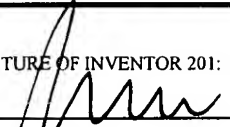
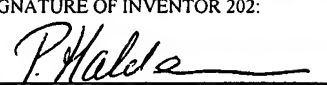
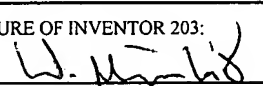

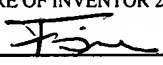
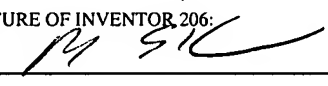
Date: 22.02.07



STANISLAUS RUSS

2	FULL NAME OF INVENTOR	FAMILY NAME RHYN	FIRST GIVEN NAME Heinz	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Grossaffoltern	STATE OR FOREIGN COUNTRY SWITZERLAND	COUNTRY OF CITIZENSHIP SWITZERLAND
4	POST OFFICE ADDRESS	POST OFFICE ADDRESS Bierhübeli 26, Vorimholz	CITY CH-3257 Grossaffoltern	STATE & ZIP CODE/COUNTRY SWITZERLAND
2	FULL NAME OF INVENTOR	FAMILY NAME FRIESEN	FIRST GIVEN NAME Albert	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Mönchengladbach	STATE OR FOREIGN COUNTRY GERMANY	COUNTRY OF CITIZENSHIP GERMANY
5	POST OFFICE ADDRESS	POST OFFICE ADDRESS Liebfrauenstrasse 41	CITY D-41066 Mönchengladbach	STATE & ZIP CODE/COUNTRY GERMANY
2	FULL NAME OF INVENTOR	FAMILY NAME RUSS	FIRST GIVEN NAME Stanislaus	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Mönchengladbach	STATE OR FOREIGN COUNTRY GERMANY	COUNTRY OF CITIZENSHIP GERMANY
6	POST OFFICE ADDRESS	POST OFFICE ADDRESS Teupestrasse 36	CITY D-41065 Mönchengladbach	STATE & ZIP CODE/COUNTRY GERMANY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201:  DATE: 13.3.07	SIGNATURE OF INVENTOR 202:  DATE: 13.3.07
SIGNATURE OF INVENTOR 203:  DATE: 13.3.07	SIGNATURE OF INVENTOR 204:  DATE: 13.3.07
SIGNATURE OF INVENTOR 205:  DATE: 05.06.2007	SIGNATURE OF INVENTOR 206:  DATE: 05.06.2007

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

the specification of which (check only one item below):

- ☐ is attached hereto.
- ☐ was filed as United States application
Serial No. _____,
on _____
and was amended
on _____ (if applicable).
- ☒ was filed as PCT international application
Number PCT/DE2004/001239,
on June 16, 2004
and was amended under PCT Article 19
on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
GERMANY	103 29 495.3	30 June 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY <small>(Includes Reference to PCT International Applications)</small>				ATTORNEY'S DOCKET NUMBER GRAHLE, P. ET AL 2 PCT	
I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.					
_____ (Application Number)			_____ (Filing Date)		
I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclose in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:					
PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:					
U.S. APPLICATIONS			STATUS (Check One)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED	
PCT APPLICATIONS DESIGNATING THE U.S.					
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration numbers): <div style="display: flex; justify-content: space-between;"> <div> KURT KELMAN, Registration No. 18,628 ALLISON C. COLLARD, Registration No. 22,532; EDWARD R. FREEDMAN, Registration No. 26,048; ELIZABETH COLLARD RICHTER, Registration No. 35,103; </div> <div> FREDERICK J. DORCHAK, Registration No. 29,298 WILLIAM C. COLLARD, Registration No. 38,411 EDWARD J. CALLAGHAN, Registration No. 46,594 </div> </div>					
Send Correspondence to:		COLLARD & ROE, P.C. 1077 Northern Boulevard Roslyn, New York 11576		Customer No. 25889 Direct Telephone Calls to: (name and telephone number) (516) 365-9802	
2	FULL NAME OF INVENTOR	FAMILY NAME GRAHLE	FIRST GIVEN NAME Peter	SECOND GIVEN NAME	
0	RESIDENCE & CITIZENSHIP	CITY Feldbrunnen	STATE OR FOREIGN COUNTRY SWITZERLAND	COUNTRY OF CITIZENSHIP SWITZERLAND	
1	POST OFFICE ADDRESS	POST OFFICE ADDRESS Steinenbergstrasse 9	CITY CH-4532 Feldbrunnen	STATE & ZIP CODE/COUNTRY SWITZERLAND	
2	FULL NAME OF INVENTOR	FAMILY NAME HALDEMANN	FIRST GIVEN NAME Peter	SECOND GIVEN NAME	
0	RESIDENCE & CITIZENSHIP	CITY Grenchen	STATE OR FOREIGN COUNTRY SWITZERLAND	COUNTRY OF CITIZENSHIP SWITZERLAND	
2	POST OFFICE ADDRESS	POST OFFICE ADDRESS Lerchenweg 14	CITY CH-2540 Grenchen	STATE & ZIP CODE/COUNTRY SWITZERLAND	
2	FULL NAME OF INVENTOR	FAMILY NAME NÜNLIST	FIRST GIVEN NAME Walter	SECOND GIVEN NAME	
0	RESIDENCE & CITIZENSHIP	CITY Oltén	STATE OR FOREIGN COUNTRY SWITZERLAND	COUNTRY OF CITIZENSHIP SWITZERLAND	
3	POST OFFICE ADDRESS	POST OFFICE ADDRESS Maienstrasse 12	CITY CH-4600 Oltén	STATE & ZIP CODE/COUNTRY SWITZERLAND	



PATENTS

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TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

**ASSENT OF ASSIGNEE TO ADDITION OF INVENTOR
UNDER 37 C.F.R. §1.48(a)**

MAIL STOP AMENDMENT

Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

MAHLE MOTORKOMPONENTEN SCHWEIZ AG, a corporation of Switzerland, having an office at Niklaus-Wengi-Strasse 10, CH-2540 Grenchen, Switzerland, and PIERBURG GMBH, a corporation of Germany, having an office at Alfred-Pierburg-Strasse 1, D-41460 News, Germany, state that they are the assignees of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors Peter Grahle, Peter Haldemann, Walter Nünlist, Heinz Rhyn to MAHLE MOTORKOMPONENTEN SCHWEIZ AG recorded on July 29, 2005 at Reel 016834, Frame 0165, an assignment from the inventors to be added Albert Friesen and Stanislaus Russ to MAHLE

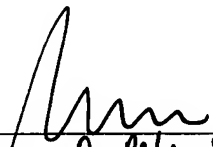
MOTORKOMPONENTEN SCHWEIZ AG and PIERBURG GMBH attached hereto,
and an assignment from MAHLE MOTORKOMPONENTEN SCHWEIZ AG to MAHLE
MOTORKOMPONENTEN SCHWEIZ AG and PIERBURG GMBH attached hereto.

MAHLE MOTORKOMPONENTEN SCHWEIZ AG and PIERBURG GMBH hereby
assent to the correction of inventorship filed herewith.

The undersigned (whose title is supplied below) is
authorized to act on behalf of the respective assignee.


MAHLE MOTORKOMPONENTEN SCHWEIZ AG

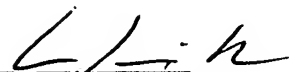
Date: 13th march 2007


Name: Dr. Peter Gmiele
Title: Managing Director

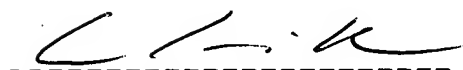
PIERBURG GMBH

Date: 05.06.2007


Name: A. Friesen
Title: Senior Manager


for Smitten
Title: Prokurist

Pierburg GmbH 06. Juni. 2007



ASSENT OF ASSIGNEE UNDER 37 CFR 1.48.doc

(Hans ter Smitten)
Prokurist



(Gerd Zimutta)
Prokurist

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and
address of
assignee

MAHLE MOTORKOMPONENTEN SCHWEIZ AG
Niklaus-Wengi-Strasse 10
CH-2540 Grenchen
Switzerland

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of
invention

SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

as set forth in his United States Patent Application

check one ☐ executed concurrently herewith
☐ executed on _____
☒ PCT Application No. PCT/DE2004/001239 filed June 16, 2004

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of COLLARD & ROE, P.C., 1077 Northern Boulevard, Roslyn, New York 11576, U.S.A., the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

name and
signature
of inventors

Name: Peter GRAHLE
Date: 25.04.05

Name: Walter NUNLIST
Date: 28.04.05

Name: Peter HALDEMANN
Date: 28.04.05

Name: Heinz RHYN
Date: 27.04.05

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Name and
Address of
Assignee

MAHLE Motorkomponenten Schweiz AG
Niklaus Wengi-Strasse 10
CH-2540 Grenchen, Switzerland

PIERBURG GMBH
and Alfred-Pierburg Strasse 1
D-41460 Neuss, Germany

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

Title of
Invention

SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

as set forth in his United States Patent Application

check one

☐ executed concurrently herewith

☐ executed on _____

☒ Serial No. 10/541,016 filed June 28, 2005

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;


Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

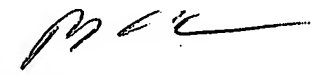
Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of COLLARD & ROE, P.C., 1077 Northern Boulevard, Roslyn, New York 11576, U.S.A., the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Names and
signatures
of inventors


Name: Albert FRIESEN
Date: 22.02.07


Name: Stanislaus RUSS
Date: 22.02.07

ASSIGNMENT OF U.S. PATENT APPLICATION

WHEREAS, MAHLE MOTORKOMPONENTEN SCHWEIZ AG, having a place of business at Niklaus-Wengi-Strasse 10, CH-2540 Grenchen, Switzerland, (hereinafter referred to as "MAHLE"), is the owner, by assignment recorded on July 29, 2005, Reel 016834, Frame 0165, of the inventors' Peter Grahle, Peter Haldemann, Walter Nünlist, and Heinz Rhyn right, title and interest of the U.S. patent application Serial No. 10/541,016, filed: June 28, 2005, entitled: "Sintered Metal Rotor of a Rotary Piston Pump" (hereinafter referred to as the U.S. PATENT APPLICATION;

WHEREAS, MAHLE and PIERBURG GMBH, having a place of business at Alfred-Pierburg-Strasse 1, D-41460 Neuss, Germany, (hereinafter referred to as "PIERBURG"), are the owners, by assignment of the inventors' Albert Friesen and Stanislaus Russ right, title and interest in said U.S. PATENT APPLICATION;

WHEREAS MAHLE and PIERBURG (together MAHLE and PIERBURG are collectively referred to as ASSIGNEES) are desirous of acquiring the entire right, title and interest of said U.S. PATENT APPLICATION for all of the inventors, and the invention covered thereby;

NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and/or other good and valuable consideration, the receipt of which is hereby acknowledged, MAHLE, by these presents, does sell, assign, and transfer unto ASSIGNEES, its entire right, title and interest of its right in and to said U.S. PATENT APPLICATION, and the invention covered thereby, said invention and subsequent patent to be held and enjoyed to the extent of the interest hereby assigned, by ASSIGNEES, for their own use and enjoyment and that of their respective legal representatives, and assigns to the full end of the terms of said U.S. PATENT APPLICATION and subsequent patent, as fully and entirely as the same would have been held by MAHLE, had this assignment and sale not been made.

MAHLE MOTORKOMPONENTEN SCHWEIZ AG

by: _____

Name: _____

Title: _____

Date: _____

A. Peter Grahle

Managing Director

13th March 2007